

# OWNER'S MANUAL



Serial number:

J3M91421A(E)\_COVER

14/03/2005, 2:16 PM



Thank you for purchasing this Toshiba TV. This manual will help you use the many exciting features of your new TV. **Before operating the TV, please read this manual completely**, and keep it nearby for future reference.

# **Safety Precautions**

#### WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.



WARNING
RISK OF ELECTRIC SHOCK
DO NOT OPEN



WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning symbol in the triangle tells you that the voltage inside this product may be strong enough to cause an electric shock. DO NOT TRY TO SERVICE THIS PRODUCT YOURSELF.



The exclamation mark in the triangle tells you that important operating and maintenance instructions follow this symbol.

CAUTION: To reduce the risk of electric shock, do not use the polarized plug with an extension cord, receptacle, or other outlet unless the blades can be inserted completely to prevent blade exposure.

### **NOTE TO CATY INSTALLERS**

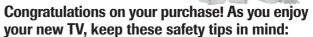
This is a reminder to call the CATV system installer's attention to Article 820-40 of the NEC, which provides guidelines for proper grounding and, in particular, specifies that the cable ground shall be connected to the grounding system of the building, as close to the point of cable entry as practical. For additional antenna grounding information, see items 25 and 26 on page 4.

# NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE

If a fixed (non-moving) pattern remains on the TV screen for long periods of time, the image can become permanently ingrained in the picture tube. **This type of damage is NOT COVERED BY YOUR WARRANTY.** See item 33 on page 4.

# **Child Safety**

# It Makes A Difference Where Your TV Stands



## The Issue

- ☐ If you are like most consumers, you have a TV in your home.

  Many homes, in fact, have more than one TV.
- ☐ The home theater entertainment experience is a growing trend, and larger TVs are popular purchases; however, they are not always supported on the proper TV stands.
- Sometimes TVs are improperly secured or inappropriately situated on dressers, bookcases, shelves, desks, audio speakers, chests, or carts. As a result, TVs may fall over, causing unnecessary injury.

# **Toshiba Cares!**

☐ The consumer electronics industry is committed to making home

entertainment enjoyable and safe.

☐ The Consumer Electronics
Association formed the Home
Entertainment Support Safety
Committee, comprised of TV and
consumer electronics furniture
manufacturers, to advocate
children's safety and educate
consumers and their families about
television safety.

# **Tune Into Safety**

☐ One size does NOT fit all! Use appropriate furniture large enough to support the weight of your TV (and other electronic components).

- ☐ Use appropriate angle braces, straps, and anchors to secure your furniture to the wall (but never screw anything directly into the TV).
- Carefully read and understand the other enclosed instructions for proper use of this product.
- ☐ Do not allow children to climb on or play with furniture and TVs.
- ☐ Avoid placing any item on top of your TV (such as a VCR, remote control, or toy) that a curious child may reach for.
- ☐ Remember that children can become excited while watching a program and can potentially push or pull a TV over.
- ☐ Share our safety message about this hidden hazard of the home with your family and friends. Thank you!



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CEA is the Sponsor, Producer and Manager of the International CES®

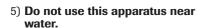
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**—** 

11/03/2005, 3:34 PM



- 1) Read these instructions.
- 2) Keep these instructions.
- 3) Heed all warnings.
- 4) Follow all instructions.





- 6) Clean only with a dry cloth.
- 7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.



8) Do not install near any heat sources such as radiators heat registers, stoves, or other apparatus (including amplifiers) that produce heat.



9) Do not defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third

prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.



10) Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits the apparatus.



- 11) Only use attachments/accessories specified by the manufacturer.
- 12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over

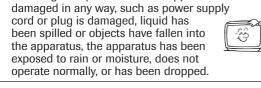


13) Unplug this apparatus during lightning storms or when unused for long periods of time.



14) Refer all servicing to qualified service personnel.

Servicing is required when the apparatus has been damaged in any way, such as power supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not



15)

**CAUTION:** To reduce the risk of electric shock, do not use the polarized plug with an extension cord, receptacle, or other outlet unless the blades can be inserted completely to prevent blade exposure.

# Installation, Care, and Service

Follow these recommendations and precautions and heed all warnings when installing your TV:

16) Never modify this equipment. Changes or modifications may void: a) the warranty, and b) the user's authority to operate this equipment under the rules of the Federal Communications Commission.

**DANGER: RISK OF SERIOUS PERSONAL** 17) **INJURY, DEATH, OR EQUIPMENT** DAMAGE! Never place the TV on an unstable cart, stand, or table. The TV may fall, causing serious personal injury, death, or serious damage to the TV.

18) Never place or store the TV in direct sunlight; hot, humid areas; areas subject to excessive dust or vibration; or locations with temperatures at or below 41°F (5°C).



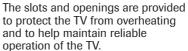
19) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit.



20) Never place items such as vases, aquariums, or candles on top of the TV



- 21) Never block or cover the slots or openings in the TV cabinet back, bottom, and sides. Never place the TV:
  - on a bed, sofa, rug, or similar surface;
  - · too close to drapes, curtains, or walls; or
  - in a confined space such as a bookcase, built-in cabinet, or any other place with poor ventilation.





- 22) Never allow anything to rest on or roll over the power cord, and never place the TV where the power cord is subject to wear or abuse.
- 23) Never overload wall outlets and extension cords.



- 24) Always operate this equipment from a 120V AC, 60 Hz power source only.
- 25) Always make sure the antenna system is properly grounded to provide adequate protection against voltage surges and built-up static charges (see Section 810 of the National Electric Code).

# 26) DANGER: RISK OF SERIOUS PERSONAL INJURY OR DEATH!

- Use extreme care to make sure you are never in a position where your body (or any item you are in contact with, such as a ladder or screwdriver) can accidentally touch overhead power lines. Never locate the antenna near overhead power lines or other electrical circuits.
- Never attempt to install any of the following during lightning activity:
- a) an antenna system; or b) cables, wires, or any home theater component connected to an antenna or phone system.

### Care

For better performance and safer operation of your TOSring

# FEATURES

- 181 Channel Tupir The turing system is capable of receiving all 68 VHF/UHF-standard broadcast channels that are a a liable in your area. When operating on a cable system, it can tupe to the standard-VHF channel frequencies plus up to 1/3 cable channel flequencies. The actual number of channels received depends upon-channel reception in your area or your cable system.

  On-speen 3 Language Display This TV pan display the on-screen language in English. Spanish or French.

  Siero Timer Detable from the remote control, the TV can be programmed to turn off automatically (from 10 to 120 minutes).

  Memory Back Up This system prevents loss of memorized channel selections in case a power interruption to the TV should occur.

  Picture Control Adjustments The on-screen display allows precise remote control adjustment of BRIGHTNESS, CONTRAST COLOR, TINTI and SHARPNESS.

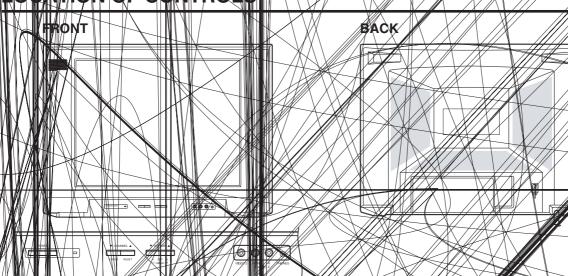
  Closed Captioned Decoder Displays closed captions or text on-screen (when available).

  Sters of SAP Reception This TV is designed a precise stereo and second audio program (SAP) broadcasts where a valiable.

  Lock Tearlure This feature thes three functions. OCKING SHARPLES, LOCKING NIDEO MPUT and SETTING.

- LOCKING SHANNELS LOCKING MIDEO WHUT AND SETTING This feature has three functions Garhe#ime/™
- Programmable ON Timer Allows you to program the TV to automatically the on at a set time

# OCATION OF CONTROLS



- Remote Sensor Signals rom the Remote control unitare received being.

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- vol in Press to the

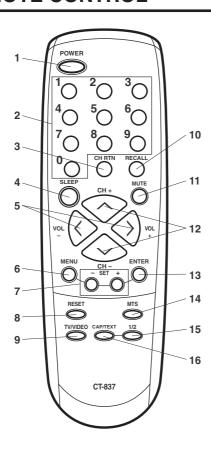
- AUDIO/VIDEO IN (VIEO 2) Jacks Audio and video signal capiles from external source can be connected her
- hone) Jack Rlug ap earphone of PHONES (E monaural Mapnonic monaural Mapnonic Markstening. adphones with a 1/8" hipiplug into this
- FIN (ANT) Jack Connect a VHE/UN ha of CATV cable to this jack.
- DIONIDEO IN (VIDEO 1) Jacks Audio and ideo signal cables from an external source can be connected here.

/ lug into an outlet with 124 10. AC Power Cord 60 Hz AC power only

Vin 1146:1046 Me IXPrets hells

(ST) - Buttons) - Press to select the desire

# **REMOTE CONTROL**



- POWER Button Press to turn on the TV. Press again to turn off the TV.
- Direct Channel Selection Buttons (0–9) Allows direct tuning of any channel.
- CH RTN Button Repeatedly press CH RTN to toggle back and forth between the last two channels you tuned.

Before using the remote control, batteries must first be installed.

#### **HOW TO INSTALL BATTERIES**

1. Open the battery compartment cover.



2. Install two "AAA" (penlight size) batteries.



3. Replace the battery compartment cover.

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- 4. SLEEP Button To set the TV to turn off after a preset amount of time, press the SLEEP button on the remote control. The clock will count down 10 minutes each time the button is pressed in the order of 120, 110, 100, ..... 20, 10, 0. After the sleep time is programmed, the display will disappear then reappear momentarily every ten minutes to remind you the sleep timer function is operating. To confirm the sleep time setting, press the SLEEP button once and the remaining time will be momentarily displayed. To cancel the sleep timer, press the SLEEP button repeatedly until the display turns to 0.
- VOL (VOLUME) + / Buttons Press the + button to increase or the - button to decrease the volume level.
- 6. MENU Button Press to display the on-screen menu function.
- SET + / Buttons Press to select the desired setting during on-screen operations.
- 8. RESET Button Press to reset the on-screen picture adjustments to their factory preset positions.
- TV/VIDEO Button Switches between the TV and external device inputs.
- 10. RECALL Button When you press this button, the channel number will appear in the upper right corner of the screen. Press the button again to remove it from the screen.
- 11. MUTE Button To turn off the sound, press this button once. The TV will be silenced and the word "MUTE" will appear on the screen. The muting feature can be released by pressing the MUTE button again or one of the VOL + or – buttons.
- 12. CH (CHANNEL) + / Buttons Press the CH + button to change to a higher numbered channel set into memory. Press the CH – button to change to a lower numbered channel set into memory.
- ENTER Button Press to enter or select information for on-screen operations.
- **14.** MTS Button Switches sound between mono, stereo, and SAP when receiving broadcasts in stereo or SAP.
- **15. 1/2 Button** Switches between captions channel 1 and captions channel 2 in the closed caption mode.
- CAP/TEXT Button Press to switch between normal TV and the two closed caption modes (captions or text), when available.

Use two "AAA" size penlight batteries (supplied) for the remote control. The batteries may last approximately one year depending on how much the remote control is used. For best performance, it is recommended that you replace the batteries on a yearly basis or when the remote operation becomes erratic.

#### Caution:

· Never throw batteries into a fire.

#### Notes:

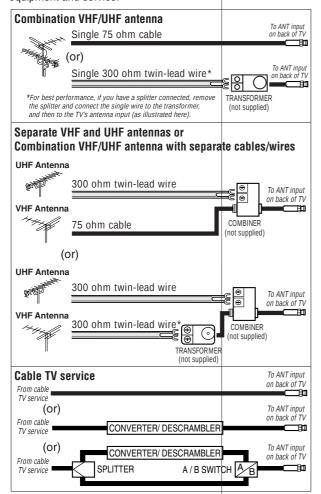
- · Be sure to use AAA size batteries.
- Dispose of batteries in a designated disposal area.
- Batteries should always be disposed of with the environment in mind. Always dispose of batteries in accordance with applicable laws and regulations.
- If the remote control does not operate correctly, or if the operating range becomes reduced, replace batteries with new ones.
- When necessary to replace batteries in the remote control, always replace both batteries with new ones.
   Never mix battery types or use new and used batteries in combination.
- Always remove batteries from remote control if they are dead or if the remote control is not to be used for an extended period of time. This will prevent battery acid from leaking into the battery compartment.





### ANTENNA/CABLE TV CONNECTIONS

Choose one of the following seven connections, based on your equipment and service:



# Combination VHF/UHF antenna (Single 75 ohm cable or 300 ohm twin-lead wire)

Connect the 75 ohm cable from a combination VHF/UHF antenna to the antenna jack.

If your combination antenna has a 300 ohm twin-lead wire, use the 300-75 ohm matching transformer (not supplied).

# Combination VHF/UHF antenna (Separate VHF and UHF 300 ohm twin-leads)

Connect the UHF twin-lead wire to a combiner (not supplied). Connect the VHF twin-lead to the 300-75 ohm matching transformer (not supplied). Attach the transformer to the combiner. Attach the combiner to the antenna jack.

#### Separate VHF/UHF antennas

Connect the 75 ohm cable from the VHF antenna and the UHF antenna twin-lead to a combiner (not supplied). Attach the combiner to the antenna jack.

**NOTE:** If your VHF antenna has a twin-lead wire, use the 300-75 ohm matching transformer (not supplied), then connect the transformer to the combiner.

#### For subscribers to basic cable TV service

For basic cable service not requiring a converter/descrambler box, connect the Cable TV 75 ohm coaxial cable directly to the antenna jack on the back of the television.

#### For subscribers to scrambled cable TV service

If you subscribe to a cable service that requires the use of a converter/descrambler box, connect the incoming cable to the converter/descrambler box and connect the output of the box to the antenna jack on the back of the television. Follow the connections shown at left. Set the television to the output of the converter/descrambler box (usually channel 3 or 4) and use the converter/descrambler box to select channels.

# For subscribers to unscrambled basic cable with scrambled premium channels

If you subscribe to a cable service in which basic cable channels are unscrambled and premium channels require the use of a converter/ descrambler box, you may wish to use a two-set signal splitter (sometimes called a "two-set coupler") and an A/B switch box from the cable installer or an electronics supply store. Follow the connections shown at left. With the switch in the "B" position, you can directly tune any nonscrambled channels on your TV. With the switch in the "A" position, tune your TV to the output of the converter/descrambler box (usually channel 3 or 4) and use the box to tune scrambled channels.

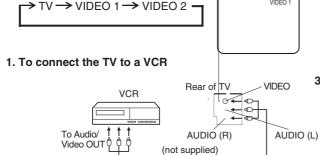
This television has an extended tuning range and can tune most cable channels without using a cable company supplied converter box. Some cable companies offer "premium pay channels" in which the signal is scrambled. Descrambling these signals for normal viewing requires the use of a descrambler device, which is generally provided by the cable company.

# CONNECTION TO OTHER EQUIPMENT

The exact arrangement you use to interconnect various video and audio components to the TV is dependent on the model and features of each component. Check the owner's manual provided with each component for the location of video and audio inputs and outputs. The following connection diagrams are offered as suggestions. You may need to modify them to accommodate your particular assortment of components.

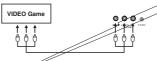
#### TV/VIDEO SELECTION

To view the picture from a VCR, camcorder, or VIDEO game, you must put the TV in VIDEO mode first. Press **TV/VIDEO** to select VIDEO mode. The word "VIDEO1" or "VIDEO2" displays briefly on-screen. Press **TV/VIDEO** again to return to TV mode.



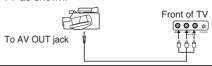
#### 2. To connect the TV to a VIDEO Game

The TV also can be used as a display device for many video games. However, due to the wide variety of different types of signal generated by these devices and subsequent hook-up variations required, they have not all been included in the suggested connection diagrams. You will need to consult each component's owner's manual for additional information.



#### 3. To connect the TV to a camcorder

To playback from the camcorder, connect the camcorder to the  ${\sf TV}$  as shown.



The unauthorized recording, use, distribution, or revision of television programs, videotapes, DVDs, and other materials is prohibited under the Copyright Laws of the United States and other countries, and may subject you to civil and criminal liability.



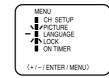


This TV can display the on-screen displays and adjustment menus in English, Spanish, or French.

The on-screen language selection (step 3, below) will automatically appear on the screen when you press the MENU button initially. Select the language you prefer first, then proceed with the other menu options.

1 Press MENU.

Press SET + or - to select the LANGUAGE mode, then press ENTER.



Press SET + or – until the "▶" indicator points to the desired language: English (ENGLISH), Spanish (ESPAÑOL) or French (FRANCAIS), then press ENTER.

LANGUAGE / IDIOMA / LANGUE

▶ ENGLISH

ESPAÑOL

FRANCAIS

⟨+/-/ENTER/MENU⟩

Press **MENU** repeatedly until the menu screen is cleared.

#### NOTE:

If Spanish or French is chosen, the closed caption indicators will be in the selected language, but the closed caption text will not be affected by the language selection.

### **TV OPERATION**

1 To turn on the TV, press **POWER**.

The VOLUME can be adjusted to a desired level by pressing **VOL (VOLUME)** + or –.

The sound level will be indicated on the TV screen by GREEN BARS AND A NUMBER. As the sound level increases, so do the number of BARS AND THE NUMBER on the screen. The same is true for decreasing the level.

3 Set the TV/CABLE menu option to the appropriate position. When shipped from the factory, this menu option is in the CABLE setting. See "TO MEMORIZE CHANNELS" on page 9.

TV - VHF/UHF channels CABLE - CABLE TV channels

4 CH (CHANNEL) + and – buttons

Press and release **CH (CHANNEL)** + or –. The channel automatically stops at the next channel programmed into the TV's memory. Press and hold the button down to change channels more quickly.

For proper operation, make sure you program channels into the TV's memory before tuning channels. See "TO MEMORIZE CHANNELS" on page 9.

**DIRECT CHANNEL SELECTION buttons (0–9) -** Press these buttons to select a channel. The channel number will appear on the upper right corner of the TV screen. If an invalid channel number is selected, the display will revert to the previous channel.

TV MODE DIRECT CHANNEL SELECTION - When the TV/CABLE menu option is in the TV position, all channels can be instantly selected by using two buttons (For example, to select channel 2, press "0," then "2." If you press only "2," channel selection will be delayed for a few seconds). For channels 10 and above, press the two digits in order.

#### **CABLE** mode direct channel selection

When the TV/CABLE menu option is in the CABLE position, channels can be selected as follows:

1-9	Press "0" twice, then 1-9 as needed. Example, to select channel 2, press "002."
10-12	Press "0", then the remaining 2 digits. Example, to select channel 12, press "012."
13-99	Press the 2 digits in order.  Example, to select channel 36, press "36."
100-125	Press the 3 digits in order. Example, to select channel 120, press "120."

**NOTE:** If the station being viewed stops broadcasting, the TV will automatically shut off after 15 minutes.





This TV is equipped with a channel memory feature that allows the TV to skip up or down to the next channel set into memory, skipping over unwanted channels.

Before selecting channels, they must be programmed into the TV's memory. In addition to normal VHF and UHF channels, this TV can receive up to 113 Cable TV channels. To use this TV with an antenna, set the TV/CABLE menu option to the TV setting. When shipped from the factory, this menu option is in the CABLE setting.

### TV/CABLE SELECTION

- Press MENU.
- Press SET + or until the indicator next to "CH SETUP" begins to flash, then press **ENTER**
- Press SET + or until the indicator next to "TV/CABLE" begins to flash.
- Press ENTER to select the TV or CABLE mode. The arrow indicates the selected mode
- Press **MENU** repeatedly until the menu screen is cleared.

#### NOTE:

Contact your cable company to determine the type of cable system used in your area.

#### **AUTOMATIC CHANNEL MEMORY**

- Press MENU.
- Press SET + or until the indicator next to "CH SETUP" begins to flash, then press **FNTFR**
- Press SET + or until the indicator next to "AUTO CH MEMORY" begins to flash, then press **ENTER**. The TV will begin memorizing all the channels available in your area. Channel numbers will remain red until auto memorizing is complete.
- Press MENU repeatedly until the menu screen is cleared.









(+/-/ENTER/MENU)

■ TV ► CABLE AUTO CH MEMORY

■ ADD / DELETE

(+/-/FNTFR/MENU)

#### TO ADD/DELETE CHANNELS

- 1 Press MENU.
- 2 Press SET + or - until the indicator next to "CH SETUP" begins to flash, then press ENTER.



Press SET + or - until the indicator next to "ADD/DELETE" begins to flash, then press ENTER.



Select the desired channels to be added or deleted using the Direct Channel Selection buttons (0-9), CH + or -, SET + or -.

5 Press ENTER to select ADD or DELETE.

If an unmemorized channel was selected (step 4), the channel indication will be red. Press ENTER if you wish to ADD the unmemorized channel. The channel indicator will change from red to green when a channel is added and the channel will be memorized.

If a memorized channel was selected (step 4), the channel indication will be green. To delete the channel from

memory, press ENTER repeatedly until "DEL" appears on-screen. The channel indicator will change from green to red when a channel is deleted. Repeat steps 4 and 5 for each channel to be added or deleted.

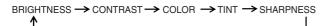


Press MENU repeatedly until the menu screen is cleared.

# ADJUSTING THE PICTURE

You can adjust the settings for brightness, contrast, color, tint and sharpness.

- 1 Press MENU.
- Press SET + or until the indicator next to "PICTURE" begins to flash, then press ENTER.
- Press **ENTER** repeatedly to select the item you want to adiust.



|4| Press SET + or – to adjust the setting.

	+	-
BRIGHTNESS	higher	lower
CONTRAST	lighter	darker
COLOR	deeper	paler
TINT	greenish	reddish
SHARPNESS	sharper	softer

#### TO RETURN TO INITIAL SETTING:

Press **RESET** while the picture adjusting mode appears on-screen.



### **CLOSED CAPTION**

#### WHAT IS CLOSED CAPTIONING?

This television has the capability to decode and display closed captioned television programs. When available, closed captioning will display text on the screen for hearing impaired viewers or it will translate and display text in another language.

#### TO VIEW CLOSED CAPTIONS

Press CAP/TEXT on the remote control to switch between normal TV and the two closed caption modes (captions and half-screen Text)

Captions: This closed caption mode will display text on the screen in English or another language (depending on the setting of Closed Captions 1/2). Generally, closed captions in English are transmitted on captions channel 1 and closed captions in other languages are transmitted on captions channel 2.

The captions will appear in places on the screen where they will least interfere with the picture, usually on the bottom of the screen. News programs will usually show three-line closed captions that scroll onto the screen. Most other shows provide two- or three-line captions placed near the character who is speaking so the viewer can follow the dialogue. Words in italics or underlined describe titles, words in foreign languages or words requiring emphasis. Words that are sung usually appear enclosed by musical notes.

Text: When available, the Text mode will fill part of the screen with a programming schedule or other information

After selecting a closed caption mode, it will stay in effect until it is changed, even if the channel is changed. If the captions signal is lost due to a commercial or a break in the signal, the captions will reappear when the signal is received again. If the channels are changed, the captions will be delayed approximately 10 seconds.

For television programs broadcasting with closed captions, look in your TV guide for the closed captions symbol (CC).

NOTICE OF POSSIBLE ADVERSE EFFECTS ON TV PICTURE TUBE Avoid displaying stationary images on your TV screen for extended periods of time. Fixed (non-moving) images (such as closed captions) can become permanently ingrained in the picture tube. This type of damage is NOT COVERED BY YOUR WARRANTY.

- · When activating the closed captioned decoder, there will be a short delay before the closed captioned text appears on the screen.
- · Closed captioned text is only displayed in locations where it is available.
- · If no caption signal is received, no captions will appear, but the television will remain in the caption mode.
- · Misspellings or unusual characters may occasionally appear during closed captioning. This is normal with closed captioning, especially with live programs. This is because during live programs, captions are also entered live. These transmissions do not allow time for editing.
- When captions are being displayed, on-screen displays such as volume and mute may not be seen or may interfere with closed captions.
- Some cable systems and copy protection systems may interfere with the closed captioned signal.
   If using an indoor antenna or if TV reception is very poor, the closed caption decoder may not appear or may appear with strange characters or misspelled words. In this case, adjust the antenna for better reception or use an outdoor antenna.

### SELECTING STEREO/SAP BROADCASTS

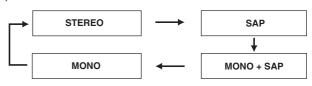
You can listen to high-fidelity stereo sound with the Multi-channel TV Sound (MTS) feature. MTS can also transmit a second audio program (SAP) containing a second language or other audio information.

When the TV receives a stereo or SAP broadcast, the word STEREO or SAP appears on-screen every time the TV is turned on, the channel is changed, or RECALL is pressed. The MTS feature is not available in the VIDEO mode.

You can leave your TV in STEREO mode because it will automatically output stereo or monaural sound, depending on the broadcast type. If the stereo sound is noisy, select MONO to reduce the noise. The word STEREO or SAP is displayed in light blue when the TV receives the signal.

#### TO SELECT THE DESIRED MTS SETTING:

Repeatedly press MTS to select either STEREO, SAP, MONO+SAP, or MONO. If the current program is not available in stereo or SAP, the setting will not be available when you press MTS.



If the current program is not broadcasting either stereo or SAP, those settings will not be available when you press MTS.

## TO SET THE ON TIMER

This feature allows you to program the TV to turn on automatically at a set time and channel. NOTE: After a power failure or disconnection of the power, the timer setting will be lost.

Press **MENU**, then press **SET** + or – until the indicator next to "ON TIMER" begins to flash. Then press ENTER. The ON TIMER menu appears.



Press SET + or - to set the desired channel, then press ENTER.



- Press SET + or to set the desired hour (0-12), then
- Press SET + or to set the desired minute (00, 05, 10, ...55), then press **ENTER**.
- Press SET + or to select the SET mode, then press ENTER.
- Press MENU repeatedly until the menu screen is cleared.

To cancel the ON TIMER, select CANCEL in step 5 above. Press MENU repeatedly until the menu screen is cleared.

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## USING THE LOCK MENU

The LOCK menu includes the CH LOCK, VIDEO LOCK, GAMETIMER and CHANGE PASSWORD functions. You can use these functions after entering the correct PASSWORD.

#### TO REGISTER PASSWORD

- Press MENU and then SET + or until the indicator next to "LOCK" begins to flash, then press ENTER.
- 2 Enter your password (4 digits) using the Direct channel selection buttons (0-9). In the event of entering an incorrect password press RESET. Then press ENTER.
- Enter the password again, and then press **ENTER**. The password is now registered and the LOCK menu appears.

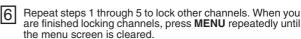
#### NOTES:

- If you want to change your password, follow steps 1 and 2 and select "CHANGE PASSWORD" option. Then enter your new password.
- · If you forget or lose your password, you can reset it using the
- following procedure:
   While holding down the VOLUME ▼ button on the TV, press "0" on the remote control for a few seconds.

#### **LOCKING CHANNELS**

With the CH LOCK feature, you can lock specific channels. You will not be able to tune locked channels unless you clear the setting. You can choose to lock up to nine TV channels and nine cable channels.

- Use the Channel Number buttons (0-9) to display the television channel you wish to lock.
- Press **MENU**, then press **SET** + or until the indicator next to "LOCK" begins to flash. Then press ENTER.
- Use the Channel Number buttons (0-9) to enter your password, then press ENTER. LOCK
  CH LOCK
  VIDEO LOCK
  GAME TIMER
  CHANGE PASSWORD The LOCK menu appears.
- Press **SET** + or until the indicator next to "CH LOCK" begins to flash, then press ENTER.
- Press **SET** + or to select: INPUT to select the channel as one to be locked. Then press ENTER.
  - ALL CLEAR to clear all channels from the list of locked channels. Then press ENTER.



If you try to tune a locked channel, the TV will not display it, but will display the nearest unlocked channel.

#### NOTES:

- If you are accessing the LOCK menus for the first time, choose a four-digit number to be your password.
- After programming CH LOCK, change channels before turning off the television.
- If you want to unlock channels, select ALL CLEAR in step 5, then press ENTER.



VIDEO LOCK ▶ OFF

VIDEO

(+/-/ENTER/MENU)

VIDEO+

(+/-/ENTER/MENU)

### **LOCKING VIDEO INPUT**

With the VIDEO LOCK feature, you can lock out the input source (VIDEO) and channels 3 and 4. You will not be able to select the input sources with the **TV/VIDEO** button or Channel buttons unless you clear the setting.

- Press MENU, then press SET + or until the indicator next to "LOCK" begins to flash, then press ENTER.
- Use the Channel Number buttons (0–9) to enter your password, then press **ENTER**. The LOCK menu appears.
- Press **SET** + or until the indicator next to "VIDEO LOCK" begins to flash, then press ENTER.
- Press SET + or to select: • OFF: Unlocks all video input sources.
  - VIDEO: Locks VIDEO.
  - VIDEO +: Locks VIDEO, channel 3 and channel 4. This option should be used if you use the antenna to play a video tape.
- Press MENU repeatedly until the menu screen is cleared.

#### NOTE:

After programming VIDEO LOCK, change channels or press the TV/VIDEO key before turning off the television.

#### SETTING THE GameTimer™

With the GameTimer the feature, you can automatically activate the VIDEO LOCK feature (VIDEO setting) to set a time limit for playing a TV game (30, 60, 90, or 120 minutes).

- Press MENU, then press SET + or until the indicator next to "LOCK" begins to flash, then press ENTER.
- Use the Channel Number buttons (0-9) to enter your password, then press ENTER. The LOCK menu appears.
- Press **SET** + or until the indicator next to "GAMETIMER" begins to flash, then press ENTER.
- Press SET + or to select a time limit 4 (30 minutes, 60 minutes, 90 minutes, 120 minutes or OFF).
- GAME TIMER ▶ OFF (+/-/ENTER/MENU)
- Press MENU repeatedly until the menu screen is cleared. After the Game Timer is programmed, the display will appear briefly every ten minutes to remind you that the GameTimer is operating. When the programmed end time is reached, the display will change the channel automatically.

#### NOTE:

When the programmed end time is reached, the TV will change channels automatically and the VIDEO LOCK feature will be activated. To turn off the VIDEO LOCK, see "LOCKING VIDEO INPUT," at left.





### TROUBLESHOOTING GUIDE

Before requesting service, please refer to the following chart for the symptom and possible solution.

SYMPTOMS	POSSIBLE SOLUTIONS
TV does not operate.	<ul> <li>Make sure the power cord is plugged in.</li> <li>Try another AC outlet.</li> <li>Power is off; check fuse or circuit breaker.</li> <li>Unplug unit for an hour, then plug it back in.</li> </ul>
Poor sound or no sound.	Station or Cable TV experiencing problems; tune to another station or call your Cable company. Check sound adjustments (VOLUME and MUTE). Check for sources of possible interference.
Poor picture or no picture.	Station or Cable TV experiencing problems; tune to another station or call your Cable company.  Make sure channels are set into memory.  Check antenna or Cable TV connections; adjust antenna.  Check for sources of possible interference.  Check picture control adjustments.  Press CAP/TEXT to turn off the closed caption mode.
Poor reception on some channels.	Station or Cable TV experiencing problems; tune to another station or call your Cable company.     Make sure channels are set into memory.     Station is weak; adjust antenna to receive desired station.     Check for sources of possible interference.
Poor color or no color.	Station or Cable TV experiencing problems; tune to another station or call your Cable company. Make sure channels are set into memory. Check picture control adjustments. Check antenna or Cable TV connection. Adjust antenna.
Picture wobbles or drifts.	Station or Cable TV experiencing problems; tune to another station or call your Cable company.  Make sure channels are set into memory.  Cable TV company is scrambling signal.  Adjust antenna.

SYMPTOMS	POSSIBLE SOLUTIONS
No Cable TV reception.	Check all Cable TV connections.  Set TV/CABLE menu option to the CABLE mode.  Station or Cable TV system problems; try another station or call your Cable company.
Horizontal or diagonal bars on screen.	Check antenna connections; reorient antenna.     Check for sources of possible interference.
No reception above channel 13.	Make sure TV/CABLE menu option is in the appropriate mode.     If using antenna, check UHF antenna connections.
No Remote operation.	Batteries are weak, dead or inserted incorrectly. Remote is out of range; move closer to TV (within 15 feet). Make sure Remote is aimed at sensor. Confirm there are no obstructions between the Remote and the TV. Make sure the power cord is plugged in.
TV shuts off.	<ul><li>Tuned station is not broadcasting.</li><li>Sleep Timer is set.</li><li>Power interrupted.</li></ul>
Closed captions are not activated.	TV station experiencing problems or tuned program is not closed captioned. Try another channel. Check Cable TV connection or VHF/UHF antenna. Reposition or rotate antenna. Press CAP/TEXT to turn on the closed caption decoder.
Black box on screen.	Press CAP/TEXT to turn off the closed caption mode.
Display is not shown in your language.	Select the language in the menu options.

### **SPECIFICATIONS**

- This model complies with the specifications below.
- Design and specifications are subject to change without notice.
- This model may not be compatible with features and/or specifications that may be added in the future.

AC Power Input: 120V, 60Hz AC Power Consumption: 90 Watts

Picture Tube: 20 Inch (508mm diagonal) (Screen size is approximate.)

Audio Power Output Rating: 2.5+2.5 Watts

Speaker: 2 inches (51mm) x 4-11/16 inches (119 mm) Full Range, 8 ohm x2

181 Channel, Quartz PLL Frequency Synthesized Infrared, Direct Access, two AAA batteries (supplied) Tuner Type: Remote Control:

Receiving Channels: VHF 2-13 **UHF** 14-69

UHF 14-69 Cable TV 01-97 (5A)-(A-3) 98-99 (A-2)-(A-1) 14-22 (A)-(I) 23-36 (J)-(W) 37-65 (AA)-(FFF) 66-125 (GGG)-(125) 75 Ohm (VHF/UHF) Coaxial Input Video: 1.0 Vp.p. 75 ohm

Antenna Input Impedance: Input:

Video: 1.0 Vp-p 75 ohm Audio: 300 mV, 47k ohm Width: 23-1/4 inches (590mm) Height: 17-9/16 inches (446.5mm) Depth: 19-3/8 inches (492mm)

Weight: 46.3 lbs (21 kg)

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### **ACCESSORY**

Dimensions:

Remote Control with two size "AAA" batteries

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# Limited Canada Warranty for 27" and All Smaller Television Models

Toshiba of Canada Limited ("TCL") makes the following limited warranties to original consumers in Canada. THESE LIMITED WARRANTIES EXTEND TO THE ORIGINAL CONSUMER PURCHASER OR ANY PERSON RECEIVING THIS TELEVISION AS A GIFT FROM THE ORIGINAL CONSUMER PURCHASER AND TO NO OTHER PURCHASER OR TRANSFEREE.

PRODUCTS PURCHASED IN CANADA AND USED ANYWHERE OUTSIDE OF CANADA, INCLUDING, WITHOUT LIMITATION, THE U.S.A. AND MEXICO, ARE NOT COVERED BY THESE WARRANTIES. PRODUCTS PURCHASED ANYWHERE OUTSIDE OF CANADA, INCLUDING, WITHOUT LIMITATION, THE U.S.A. AND MEXICO, AND USED IN CANADA, ARE NOT COVERED BY THESE WARRANTIES.

#### Limited One (1) Year Warranty on Parts and Labor\*

TCL warrants this television and its parts against defects in materials or workmanship for a period of one (1) year after the date of original retail purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. YOU MUST DELIVER THE ENTIRE TELEVISION TO AN AUTHORIZED TCL SERVICE DEPOT. YOU MUST PAY FOR ALL TRANSPORTATION AND INSURANCE CHARGES FOR THE TELEVISION TO AND FROM THE SERVICE DEPOT.

#### Limited Two (2) Year Warranty on Picture Tube\*

TCL further warrants the picture tube in this television against defects in materials or workmanship for a period of two (2) years after the date of original retail purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PICTURE TUBE WITH A NEW OR REFURBISHED PICTURE TUBE WITHOUT CHARGE TO YOU, EXCEPT THAT, IF A DEFECTIVE PICTURE TUBE IS REPAIRED OR REPLACED AFTER ONE (1) YEAR FROM THE DATE OF THE ORIGINAL RETAIL PURCHASE, YOU MUST PAY ALL LABOR CHARGES INVOLVED IN THE REPAIR OR REPLACEMENT. YOU MUST DELIVER THE ENTIRE TELEVISION TO AN AUTHORIZED TCL SERVICE DEPOT. YOU MUST PAY FOR ALL TRANSPORTATION AND INSURANCE CHARGES FOR THE TELEVISION TO AND FROM THE SERVICE DEPOT.

#### **Rental Units**

The warranty for rental units begins with the first rental or thirty (30) days from the date of shipment to the rental firm, whichever comes first.

### \*Limited Warranty for Commercial Units

TCL warrants televisions sold and used for commercial purposes as follows: all parts are warranted against defects in materials or workmanship for a period of ninety (90) days after the date of original purchase. DURING THIS PERIOD, TCL WILL, AT TCL'S OPTION, REPAIR OR REPLACE A DEFECTIVE PART WITH A NEW OR REFURBISHED PART WITHOUT CHARGE TO YOU FOR PARTS OR LABOR. YOU MUST DELIVER THE ENTIRE TELEVISION TO AN AUTHORIZED TCL SERVICE DEPOT. YOU MUST PAY FOR ALL TRANSPORTATION AND INSURANCE CHARGES FOR THE TELEVISION TO AND FROM THE SERVICE DEPOT.

#### **Owner's Manual and Product Registration**

Read this owner's manual thoroughly before operating this television. Register your product online at **www.toshiba.ca** as soon as possible. By registering your product, you will enable TCL to bring you new products specifically designed to meet your needs and help us to contact you in the unlikely event a safety notification is required under the U.S. Consumer Product Safety Act. Failure to register your product does not diminish your warranty rights.

#### **Your Responsibility**

THE ABOVE WARRANTIES ARE SUBJECT TO THE FOLLOWING CONDITIONS:

- (1) You must provide your bill of sale or other proof of purchase.
- (2) All warranty servicing of this television must be performed by an Authorized TCL Service Depot.
- (3) These warranties from TCL are effective only if the television is purchased in Canada from an authorized TCL dealer and operated in Canada.
- (4) Labor charges for installation, setup, adjustment of customer controls, and installation or repair of antenna systems are not covered by these warranties. Reception problems caused by inadequate antenna systems are your responsibility.
- (5) Warranties extend only to defects in materials or workmanship as limited above and do not extend to any television or parts that have been lost or discarded by you or to damage to television or parts caused by fires, misuse, accident, Acts of God (such as lightning or fluctuations in electric power), improper installation, improper maintenance, or use in violation of instructions furnished by TCL; or to units that have been modified or had the serial number removed, altered, defaced, or rendered illegible.

#### **How to Obtain Warranty Services**

If, after following all of the operating instructions in this manual and checking the "Troubleshooting" section, you find that service is needed:

- To find the nearest TCL Authorized Service Depot, visit TCL's web site at www.toshiba.ca.
- (2) Present your bill of sale or other proof of purchase to the Authorized Service Depot. You must deliver the entire television to an Authorized TCL Service Depot. You must pay for all transportation and insurance charges for the television to and from the Service Depot.

# For additional information, visit TCL's web site: www.toshiba.ca

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[011005]







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MARKHAM, ONTARIO, L3R 8H2, CANADA

TEL.: (905) 470-5400

MONTREAL: 18050 TRANS CANADA, KIRKLAND,

QUEBEC, H9J-4A1, CANADA

TEL.: (514) 390-7766

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RICHMOND, B.C., V62 1J5, CANADA

TEL.: (604) 303-2500

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